

Figures

Table 1 Comparative Pigment Stability Results in Coatings

(All amounts are expressed in grams)

Ingredient	A	B	C	D	E	F
Ratio phenalkamine: polyamide	50/50	85/15	90/10	90/10	95/5	100/0
Epoxy resin ¹ (amt. in grams)	300	300	300	300	300	300
Phenalkamine ² (100% solution)	24	40.8	43.2	43	45.6	48
Polyamide ³ (100% solution)	24	6	4	—	2	0
Polyamide ⁴	—	—	—	4	—	—
Acetone	30	30	30	30	30	30
Test Results						
Initial Viscosity on #4 Ford Cup	21.2 sec.	22.0	20.1	20.3	19.8	18.2
Pigment Settling Time	—	None overnight	None overnight	8 hours	4 hours	47 min.
Pot Life Viscosity /time	23.8 sec after 1 hr. 24 min		Gelled	gelled	21.2 after 1 hour	23.8 sec after 1 hr. 24 min

¹Epoxy resin (epoxy terminated polyglycidyl ether of Bisphenol A) having equivalent weight of about 350

²Phenalkamine sold as Cardolite® Lite 2562 from Cardolite Corporation.

³Ancamine® polyamide from Air Products

⁴Versamid polyamide from Henkel